```
function dOpt = optDstb(obj, ~, ~, deriv, dMode)
% dOpt = optCtrl(obj, t, y, deriv, dMode)
      Dynamics of the DubinsCar
          \det\{x\}_1 = v * \cos(x_3) + d_1
%
%
          \det\{x\}_2 = v * \sin(x_3) + d_2
          \det\{x\}_3 = u
% Input processing
if nargin < 5</pre>
  dMode = 'max';
end
if ~iscell(deriv)
  deriv = num2cell(deriv);
end
dOpt = cell(obj.nd, 1);
%% TOD0
% Compute the optimal disturbance
% min \{ alpha\} deriv(1) * 0.8 cos alphaa + deriv(2) * 0.8 sin alpha
params = get_params();
alpha = atan2(-deriv{2}, -deriv{1});
            obj.dMax * cos(alpha); % Compute the optimal disturbance in x
            obj.dMax * sin(alpha); % Compute the optimal disturbance in y
d0pt{2} =
```

end